

John Button

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Objective

Aspiring electrical engineer with a strong foundation in mechanical design, robotics, and programming seeking to leverage technical skills and leadership experience.

Education

Duke University, Durham, NC — Expected Graduation 2027

Caroline High School, Caroline County, VA — GPA: 4.804 (Weighted)

Notable Achievements: Class Rank #2, College Board Rural and Small Town Recognition Program Award

Technical Skills

- **Design & Modeling:** AutoCAD, SolidWorks, AutoDesk Inventor, Onshape
- **Programming:** Arduino and Python
- **Others:** Ham Radio Technician (KM4PBS) and OSHA 10-Hour Construction

Experience

- **Phonathon** - January-May 2024 Successfully contributed to the fundraising efforts at Duke's Phonathon Call Center, engaging alumni through cold calling and securing donations to support the school's programs and initiatives.
- **McDonalds**, — Fry Cook, May-August 2023, Efficiently executed high-volume food preparation tasks, ensuring quality and safety standards were met while contributing to team efforts and customer satisfaction.
- **Wrestling Instructor** — January - May 2023, Started an after-school wrestling program for my local elementary school.
- **Nation of Makers, Remote** — Student Leader, June 2017 – Present
Presented on engineering topics; engaged kids in robotics; advocated for Making in Education.
- **IME South, Charlotte, NC** — Speaker and Organizer, June 2022
Coordinated panels; discussed engineering and maker movement influence.
- **eNable, Remote** — Course Instructor, June 2021 – July 2021
Developed and taught 3D printing and design curriculum.
- **Local Motors, Oxon Hill, MD** — Intern, June 2017 – May 2019
Maintained autonomous robots; led CAD classes; organized charity events.
- **Virginia Tech, Blacksburg, VA** — RASC-AL Robo-Ops Team, October 2015 - May 2016
Designed robots; created a virtual playing field based on JSC data.

Leadership and Activities

- **After School Robotics Program, Caroline County, VA** — Founder, 2019-2020, 2021-2022
Developed curriculum; taught middle school students engineering skills.
- **Kilroy FTC Robotics Team, Stafford County, VA** — Programming Lead, August 2018– May 2019
Led programming efforts for competitive robotics challenges.
- **Varsity Wrestling, Caroline County, VA** — Team Captain, February 2019– May 2023
Led team in regional competitions; exemplified leadership and teamwork.

Relevant Coursework

- DE CAD Design, Math 218 (Linear Algebra for engineers), AP Statistics, ECE 110 (intro to circuits), Physics 151 (Mechanics for engineers), Physics 152 (Electricity and Magnetism for engineers), CS 201 (Data Structures and Algorithms), and EGR 101 (Engineering Design and Communication)